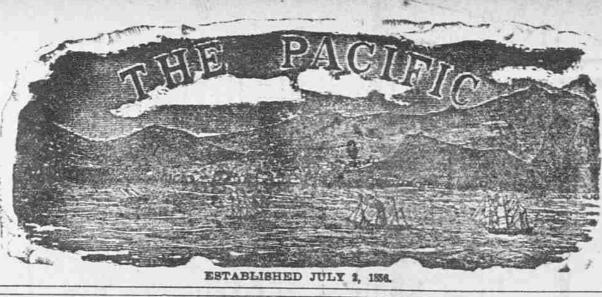
Commercial

PAGES 1 TO 8.

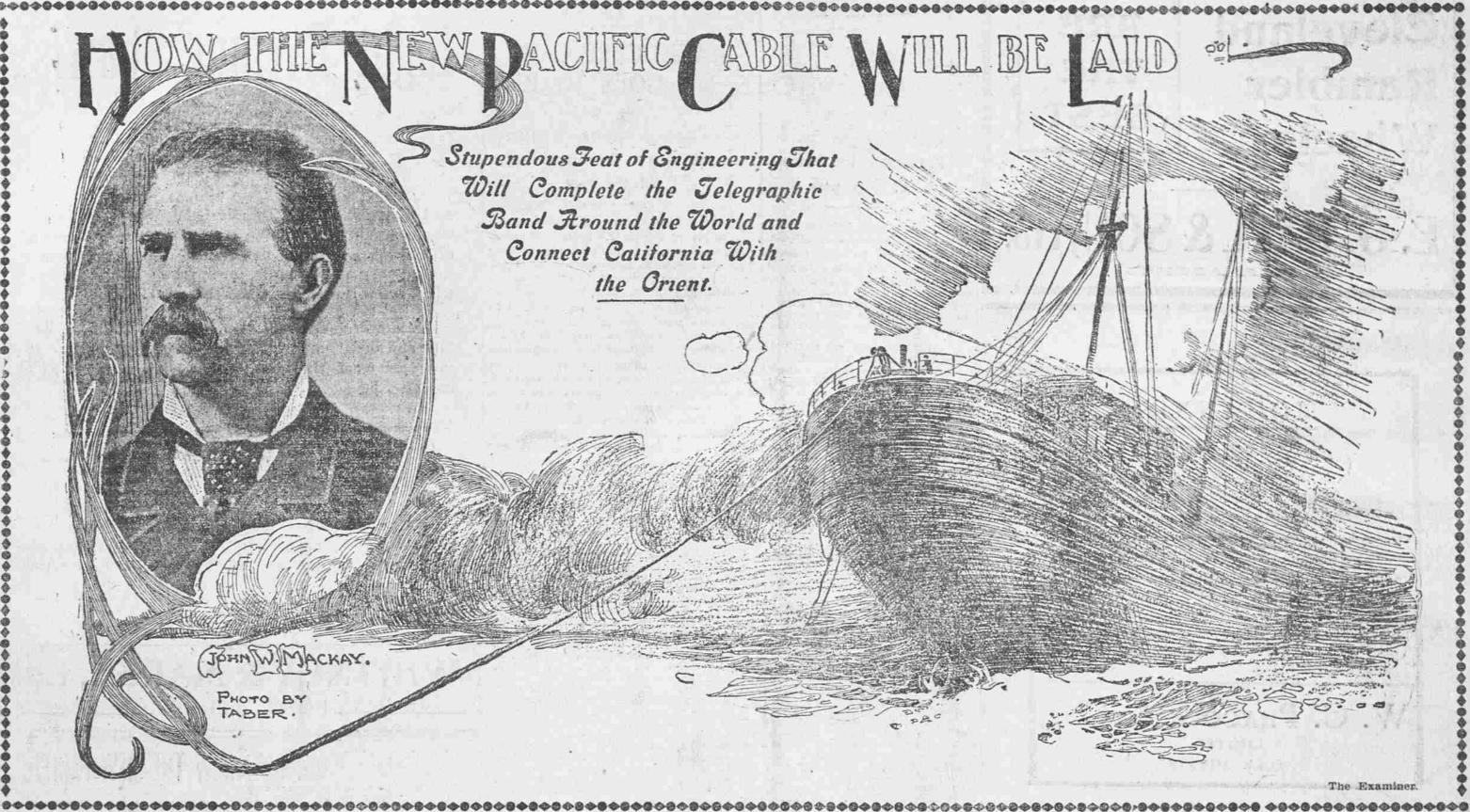


Advertiger.

PAGES 1 TO 8.

VOL. XXXIV., NO. 5985

HONOLULU, HAWAII TERRITORY, FRIDAY, OCTOBER 11, 1901 .- FOURTEEN PAGES.



that within nine months cable communi- tanks, in which it is kept under water.

of the entire globe, and making a total hours. 16,171 miles, is controlled by private in-

At the coming session of Congress the construction of the cable.

ment is \$10,000,000.

The laying of a trans-oceanic cable is ling and picturesque incident.

tect it from the sheathing of steel wires about two tons per mile. over which come again jute yarn and a The cable tanks are all connected by days of the disgraceful native-led legis- destructive and retrogressive. cable is again sheathed with strands, be moved about the deck.

nian. The Commercial Pac- throughout. The coil is then served with jute yarns, which are laid spirally_ file Cable Company, com- round it, forming an elastic soft bedposed of John W. Mackay, ding for the sheathing wires. These Clarence H. Mackay, Edward C. Platt, latter, as well as the outer serving and Albert Beck, George G. Ward, Albert compound, are put on in one machine.

The served coil, passes through a hol-B. Chandler and William W. Cook, hav- low shaft of a circular skeleton frame ing been duly incorporated, announces work of iron, to large circular iron

and in two years from now we shall be more than five nautical miles (a nauti- against him by the bar association of welfare of Hawaii that the anti-Dole be two Ohms, and the measuring ap- miral Bradford in his report, "has been more than five nautical miles (a nauti- against him by the bar association of welfare of Hawaii that the anti-Dole be two Ohms, and the measuring apin electric touch with the Philippines. cal mile, 2,029 yards) per machine in Honolulu. It is reported that he in- faction should not be encouraged. He paratus indicates a total resistance of discovered, thoroughly explored, sur-The route will be from San Francisco twenty-four hours; and as the manuto Honolulu, thence to the Midway isl- facture is carried on continuously day

appreciated Mr. Dole at his true worth 800 Ohms, the position of the break will veyed and mapped."

appreciated Mr. Dole at his true worth 800 Ohms, the position of the break will veyed and mapped."

and sustained him in his struggles be 400 miles from shore, or from the The report of the operation of the The route will be from San Francisco twenty-four hours; and as the manuand sustained him in his struggles be 400 miles from shore, or fr ands, to Guam and to the east coast of and night with ten-cable machines in ian capital, to institute a vigorous cam- against the adverse elements. Presi- cable ship, as the case may be. Luzon. The cable will be 6,912 miles from fifty to fifty-five nautical miles Dole from his position and for the ap- led now by clamor against the gov- the steamer is able to determine by his tidal influences in the parts of the ocean long, completing the telegraphic system can be turned out in every twenty-four pointment in his stead of Harold M. ernor who has steered Hawaii through charts the course of the cable, the lati- through which the route lies. In prose-

of 164,586 miles, all of which, excepting The last cable that was made for Mr. from the United States. The legislation of 164,586 miles, all of which, excepting Mackay several years ago, which may easily be believed, for both Judge the record and consults with those who tainty to effect the repair. a bill will be introduced to push through following compound parts: Copper They have caused a great deal of trou- sonal preferment involving a serious operations. The ship leaves the buoy ed twenty knots apart. Beginning at The estimate of cost by Rear Admiral and compound and tar, 1,075 tons. Over selves with and to make use of the ments in Hawaii, which snatched the the cable. A heavy grappling book is to the island of Luzon was thoroughly Bradford of the Naval Bureau of Equip- three times as much material will be lowest elements in Hawaii. They so islands from monarchical corruption, lowered and the ship steams back at covered. Along this route an obstacle required for the Pacific cable.

floating workshop as well.

iron tanks, similar to the land tanks Governor Dole is despised by these further their own ends and to ruin This is an interesting process, especial- an extraordinary long sounding wire, a stupendous task and one full of thril- at the manufactory, thirty-four feet in men and their followers because they their enemies. diameter, for the storage of the capie, cannot manage him to suit their Hawaii is too promising a territory. The ship is then stopped and the haul- casts and also two deepest water tem-The cable itself consists, first, of a core each having a conical core for guiding wishes. He has given Hawaii an ex- to be relegated now to the limbo of ing in machinery set in motion. In due peratures ever recorded. The depths which comprises the conductor made the cable when it is being paid out, cellent administration from the outset, political squabbles. It has within it course the grappel holding the cable found were 5,160 fathoms and the other of a strand of copper wires and the in- The space within these cores is utilized when he undertook the dangerous and the possibilities of a rich, prosperous, appears. Men are lowered to it who se- 5,269 fathoms. The temperature at these sulating covering generally made of to hold fresh water. The capacity of its difficult task of governing as president happy community, when the unrest cure the cable by chains on each side of points registered 35.9 degrees F. and 36 gutta-percha, but occasionally of india- tanks in the regular cable ship is about of the provisional republic, to the pres- caused by the revolution and the an- the bight, which is then cut in two. degrees F. respectively. rubber to prevent the escape of elec- 1,400 tons of cable, this being the equiv- ent time, through all the menaces and nexation has been quieted. The best The ends are hauled on board and conalent of about 100 miles of inshore cable, changes which have visited the islands, way to reach that end is to utilize the nected with the testing room. One of beginning at Honolulu: Then comes a layer of tanned jute weighing fourteen tons to the mile or He has held his head high above scan- elements which have thus far saved the ends will be surely that of the sec- An ocean bed of almost level soft mud yarn laid over the gutta-percha to pro- 700 miles of the deep-sea type, weighing dals, has striven against tremendous Hawaii from disgrace and disaster and tions which is now a means of com- at a general depth of about 2,709

bituminous compound. The sheathing "ways" or troughs, so that a transfer varies in type with the depth of the may be made from one tank to another water in which it is laid. The deepsea or from any tank to either of the huge over several plleys on the deck and out having been attached to a rope, is low- shore indicating that the cable on that Hawaiian islands to a point beyond type has a sheathing of many small paying out machines. Handling of the over the sheave of the stern to its rest- ered to the bed of the ocean. A buoy is side is electrically perfect, the end is Ocean island. This plan affords an steel wires; then through several in- cable made necessary by such transfer ing place at the bottom of the sea. attached to the other end of the rope sealed, attached to a buoy and dropped ideal route for a telegraphic submarine termediate types the sheathing wires is usually done by means of a small. The dynamometer indicates the and is left floating on the surface of overboard. The short piece to the frac- cable, become gradually large until finally at engine connected to a drum, and all amount of strain to which the cable is the water to mark the position of the ture is picked up and stored away. Beyond the Midway islands toward the shore end the deep sea sheathed mounted on a truck by which it may subjected at any moment and also en- end of the cable, until the ship can re- The steamer then proceeds to grapple Guam is another great level plain at a

triangularly. It will be noticed, how- it passes over an iron sheave, fastened to the brake to suit the varying condi- develop in the laying and steps have back the outer steel wire armor so that ever, while in general fairly level, is ever, that the core is the same through- the framework of the hatchway, thence tions of laying. After leaving the dyna- to be taken to locate the defect. Scien- when the core of both ends has been interspersed with reefs and mountain The copper wires for the conductor iron sheave, and the friction of the eral large retarding wheels before is nothing short of wonderful, has made will overlap the joint some fifteen feet, plore and avoid. Eventually, a short are twisted up together or stranded, cable at this point acts as a tension. It wending its sinuous way into the sea, this a comparatively simple matter. The two ends of the conductor are distance to the eastward of the great They are then passed through the cov- then passes several times around the When all the available cable has been. The conductor of the cable offers a scarfed and firmly soldered together.

t LAST the Pacific cable is to percha is squeezed round the conductor be laid—and by a Califor- in a continuous envelope touching it WASHINGTON STAR DENOUNCES THE ANTI-DOLE MOVEMENT sistance. The unit of resistance is call- perfect condition. The course, finds the physicist who discovered and expound- cable and once more proceeds across the

cation with Hawaii will be established.

The rate of manufacture is unusual- eration from the administration in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. Therefore, sup- American cable for the purpose of construction in the president McKinley fully understood tact with the water. operation all at once it will be seen that paign for the removal of Governor dent Roosevelt is not likely to be mis- With this information the captain of ocean currents, prevailing winds and The last cable that was made for Mr. from the United States. The report trigue and annexation. If he examines has occurred, and can proceed with cer- Nero steamed in all 25,283 knots. Her stretched across the Atlantic 2,201 nau- Humphreys and Mr. Sewall represent are familiar with the situation he will Being satisfied that the ship is at the ascertaining temperatures and obtaintical miles in length, aggregated a total an element in Hawaii bitterly opposed learn that the issue which Judge Hum- right place, a conical flat bottomed buoy ing the characteristics of the bottom of of 5,460 tons in weight, made up of the to Governor Dole and his supporters, phreys seeks now to raise is one of per- is dropped from which to carry on the ocean at equidistant stations situatwire, 495 tons; gutta-percha, 315 tons; ble. They are carpet-baggers who choice of policies. He will find that and steams away to a convenient dis- Honolulu the zigzag route to the Philipjute yarn, 575 tons; steel wire, 3,000 tons have not hesitated to associate them- Governor Dole represents the safe ele- tance from the supposed broken end of pines by the Midway islands and Guam confused the political situation there and if supported will save them from right angles to the line of the cable, was encountered in the nature of a sub-The cable ship itself is a vessel of that it was possible for Robert Wilcox native corruption and incompetence until the dynamometer gives notice marine abyss, the deepest yet known in The special demands by the Governtransfer is a vessel of that it was possible for Robert Whook hadve corruption and incompletion and incomplete and incomplete the strange interior arrangement, specially to come to Washington as territorial now. The American-born politicians that something has been selzed. If the the world. The abyss was named the ment on this cable will be reduced rates designed for the purpose. It is not only delegate, to bring discredit upon the who are now seeking to secure the up- strain be erratic the grapnel is probably Nero Deep, and its depth makes it and absolute control over the line in a huge storage department, but a big new island adjunct. The record of the per hand would soon precipitate a per- only engaging the projections of an un- necessary to deflect the direct route

ables the man in charge of the brake- turn to port with a new cargo. each made up of three steel wires set As the cable is brought from the tank wheel to regulate the strain put on by Sometimes a break or a "fault" will over to the splicing gang, who lay 'The remainder of the distance, how-

for home after securing an exon- vetoing the nonsensical and dangerous practically ceases at the point where across the Pacific to the Philippines. measures passed by that absurd body, the conductor makes considerable con- "A satisfactory route for an all-Sewall, the last minister to Hawaii the tortuous channels of revolution, in- tude and longitude in which the break cution of the above mentioned work the Sewall-Humphreys campaign is a dis- sonal issue of another sort. They even bottom, but if the strain steadily from the Midway islands to Guam. In

odds for progress and finally in the to ignore those whose tendencies are munication with the shore. The other fathoms extends from Honolulu to the

around another larger deeply grooved mometer it passes under and over sev- tific accomplishment, which in reality cut and joined, the armor wires relaid, ranges that required much time to ex-

ed the laws of electric current. The ocean.

end will be the short piece from the ship Midway islands on a route a little to

for the other end, which is then turned depth of about 2,200 fathoms. ering machine, by which the gutta- giant drums of the great dynamometer, laid, the end is carefully sealed up and, certain amount of obstruction or 're- When the other layer of wires and jute

sistance" to the passage of the electric yarn and gutta-percha are put in place current. Apparatus has been devised the splice is complete and the cable is for measuring the amount of this re- again dropped overboard, once more in

exact resistance per nautical mile of the On May 6th, 1899, the United States TUDGE ABRAM S. HUMPHREYS lature he saved the territory from conductor of any given cable is known ship Nero began the survey to locate a of the Hawalian bench has left bankruptcy and confusion by bravely to the electrician in charge. Resistance route for a cable from the United States

Nero gives a great amount of data on In the hold there are three immense grace to American politics. would utilize the ignorant kanakas to increases, the cable has been caught, this low area the Nero, by means of ly in water over three miles deep. was enabled to take two of the deepest

the northward of the line of reefs run-The tests and communication with the ning about west-northwest from the



Silhouette Map of the Bottom of the Pacific Ocean, Showing the Route of the New Cable Between California and the Great Depth at Which the Huge Telegraph Wire Will Have to Be Laid.